The Marshfield Clinic Research Foundation (MCRF) is the largest private medical research institute in Wisconsin. MCRF is the research division of Marshfield Clinic, an integrated multispecialty health care system with over 750 physicians and 45+ regional centers. MCRF has offered summer research internship opportunities to qualified students since 1974.

The primary goal of the 12-week Biomedical Informatics program is to provide a mentored, hands-on research experience for students with background and interest in the following areas: patient-centered research, computer programming, human computer interaction, computer science, health informatics, cognitive science, human factors, and psychology.

There are opportunities in patient-centered clinical consumer informatics and interactive clinical design.

**Patient-Centered Clinical and Consumer Informatics**

The student intern will be mentored by Dr. Simon Lin to finish a specific project selected from a variety of clinical and consumer informatics projects, including smartphone applications, social media applications, and electronic medical record applications.

**Interactive Clinical Design**

The Interactive Clinical Design Institute (ICDI) addresses the challenge of developing healthcare technology that is truly intuitive to use, minimizes medical errors and improves care. Potential projects for interested students in this area include:

- Analysis and predictive performance modeling of the electronic health record using a cognitive and behavioral analysis tool (e.g., CogTool).
- Visualization and presentation of healthcare information that allows physicians to safely and accurately understand patient history, including explorations and prototyping of novel ways to represent patient information.
- Usability testing, evaluation and baseline measures of the current electronic medical record and opportunities to conduct detailed analysis through field observations and/or usability lab studies.

Application Deadline: January 15, 2014